PATENT

## **AMENDMENTS TO CLAIMS:**

[The listing of claims will replace all prior versions, and listings, of claims in the application:]

## **Listing of Claims:**

- 1. (Previously presented) A personal wireless communication device, comprising:
  - a microphone for sound pickup;
  - a directional speaker for sound output; and
- a communication module operatively connected to said microphone and said ultrasonic speaker, said communication module supporting two-way communications over a wireless channel between said personal wireless communication device and another communication device.
- (New) A personal wireless communication device as recited in claim 1, wherein said personal wireless communication device further comprises a standard, non-directional speaker for sound output.
- 3. (New) A personal wireless communication device as recited in claim 2, wherein said personal wireless communication device further comprises a controller that controls which speaker or speakers to be used for the sound output.
- 4. (New) A personal wireless communication device as recited in claim 3, wherein said personal wireless communication device further comprises at least one sensor, and wherein said controller automatically controls which speaker or speakers to be used for sound output based on information provided by at least said sensor.

Dec 08 2004 6:33PM

PATENT

- (New) A personal wireless communication device as recited in claim 1, wherein said personal wireless communication device is a hand-held communication device.
- 6. (New) A personal wireless communication device as recited in claim 1, wherein said personal wireless communication device is a personal digital assistant, a personal computer or a mobile telephone.
- 7. (New) A personal wireless communication device as recited in claim 1, wherein the sound output is steerable.
- 8. (New) A personal wireless communication device as recited in claim 1, wherein said directional speaker is an ultrasonic speaker.
- 9. (New) A personal wireless communication device as recited in claim 8, wherein said ultrasonic speaker is selected from a group including a piezoelectric thin film device, a bimorph device and a magnetic transducer.
- 10. (New) A personal wireless communication device as recited in claim 8, wherein said ultrasonic speaker produces a sound output; and wherein the sound output by said ultrasonic speaker is an ultrasonic sound output but results in audio sound for a user of said personal wireless communication device after the ultrasonic sound output is transformed in air.
- 11. (New) A personal wireless communication device as recited in claim 10, wherein said ultrasonic speaker directs the ultrasonic sound output to the user by confining said output substantially within a virtual cone having an input end at said ultrasonic speaker and an output end at the vicinity of the user.

PATENT

p. 7

- A personal wireless communication device as recited in claim 11, the diameter of the virtual cone at the output end is less than 6 inches.
- 13. (New) A peripheral apparatus for an electronic device, sald peripheral apparatus comprising:
- a directional speaker that provides ultrasonic sound output in a predetermined direction.

wherein the ultrasonic sound output by said directional speaker results in audio sound in the predetermined direction for a user of the electronic device.

- A peripheral apparatus as recited in claim 13, wherein the 14. (New) electronic device has a peripheral connection port, and wherein said peripheral apparatus connects to the electronic device at the peripheral connection port.
- A peripheral apparatus as recited in claim 14, 15. (New) wherein said peripheral apparatus further comprises a housing for said peripheral apparatus, and

wherein said peripheral apparatus further comprises a mechanical mechanism that allows said directional speaker to move relative to said housing, thereby allowing repositioning of said directional speaker to direct the sound output towards different directions.

- 16. (New) A peripheral device for a computing device, said peripheral device comprising:
  - a housing; and
  - a directional speaker coupled to said housing.
- 17. (New) A peripheral device as recited in claim 16, wherein when said peripheral device is operatively connected to said computing device, said computing device directs audio signals to said peripheral device.

PATENT

- 18. (New) A peripheral device as recited in claim 16, wherein said peripheral device further comprises a cable that connects said peripheral device to said computing device via a connector or plug.
- 19. (New) A peripheral device as recited in claim 16, wherein said peripheral device further comprises a camera.
- 20. (New) A peripheral device as recited in claim 16, wherein said housing is configured as a peripheral bus plug-in card.
- 21. (New) A peripheral device as recited in claim 16, wherein said housing includes a peripheral port connector.
- speakers associated with an audio output device, said method comprising:
  obtaining a piece of information pertaining to the audio output device;
  determining an appropriate one or more of the potential speakers to output
  an audio output from the audio output device based on the piece of information;
  and

A method for automatically selecting one of a plurality of potential

selecting the appropriate one or more of the potential speakers, wherein at least one of the speakers is a directional speaker.

- 23. (New) A method as recited in claim 22, wherein the piece of information is related to how the audio output device is presently being used.
- 24. (New) A method as recited in claim 22, wherein the piece of information is related to an orientation of the audio output device.
- 25. (New) A method as recited in claim 22, wherein the piece of information is related to a distance from the audio output device to a surface.

5

10/826.531

22. (New)